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**Last Updated: December, 2006**

**Next Update: January, 2007**

### A

Active Memory  
Accelerated Business Consulting  
Accelerated Executive Sessions


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## Microsoft Trademarks

Published: June 9, 2003 | Updated: September 7, 2006

This page contains the most current information on Microsoft trademarks. For guidance on how to refer properly to Microsoft product names and trademarks, review the General Trademark Guidelines.

- [General Microsoft Trademark Guidelines](#)

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- ↓ [FRx Software Corporation Trademarks](#)

### Microsoft Corporation Trademarks

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Trademark	Status	Descriptor
ActiMates	®	interactive toy
Active Accessibility	®	programming interfaces tools
Active Desktop	®	interface item
Active Directory	®	directory service
ActiveMovie	®	application programming interface
ActiveStore	®	retail technology architecture
ActiveSync	®	technology
ActiveX	®	technologies, platform, controls, scripting, server framework
Advisor FYI	®	personalized financial guidance
Aero	TM	user interface
Age of Empires	®	game
Age of Mythology	®	game
Access	TM	database software
Authenticode	®	technology
Automap	®	travel series
AutoRoute	TM	road atlas

AutoRoute Express	®	road atlas
AutoRoute Plus	®	professional road atlas
AutoSum	TM	tabulation tool
Azurik	®	video game
BackOffice	®	family server
BackOffice logo (graphic only)	®	
Bankshot Billiards	®	game
BattleTech	®	game
bCentral	TM	small business portal
BitLocker	TM	drive encryption
BizTalk	®	server
Blinx	®	video game
Blood Wake	®	video game
Bookdings	®	font
Bookshelf	®	CD-ROM reference library
Brute Force	®	video game
Bungie	®	games
Bungie logo	TM	
Bungie.net logo	TM	
Calibri	TM	font
Cambria	TM	font
Candara	TM	font
Carbonated games	TM	games
Cariadings	TM	font
Carpoint	®	online automotive service
Clearlead	TM	lead management platform
ClearType	®	display technology
Computing Central	®	computer user's information service
Consolas	TM	font
Constantia	TM	font
Convection	TM	font
Cortana	®	action figure
Crackdown	TM	game

Crimson Skies	®	game
DataTips	®	pop-up information
DaunPenh	TM	font
Developer Studio	®	visual development system
Dexterity	®	software
Digital Anvil	®	games
Direct3D	®	application programming interface
DirectAnimation	®	application programming interface
DirectBand	TM	wireless technology
DirectDraw	®	application programming interface
DirectInput	®	application programming interface
DirectMusic	®	application programming interface
DirectPlay	®	application programming interface
DirectShow	®	application programming interface
DirectSound	®	application programming interface
DirectX	®	application programming interface
Drivatar	TM	AI technology
Encarta	®	multimedia encyclopedia/online encyclopedia
Encarta logo (graphic only)	®	
Ensemble Studios	®	games
Entourage	®	e-mail and personal information manager
Excel	®	spreadsheet software
Exhibition	®	demo disc
Expression	®	design software
FASA Studio	®	games
Finty Flush	®	game
Fist of the Lotus	TM	video game
Forza Motorsport	®	game
Fox head logo	®	
Freelancer	®	game
Fringer	®	game
FrontPage	®	web site creation and management tool
Fuzion Frenzy	®	video game

Game with Fame	TM	event
Georgia	®	font
Great Plains	®	software
Habu	TM	gaming mouse
Halo	®	video game
Halo 2 logos	TM	
HDCD	®	audio enhancement technology
HDCD logo	®	
Hexic	®	game
HighMAT	TM	technology
HighMAT logo	TM	
High Road to Revenge	®	video game
HomeAdvisor	®	online house and home buying guide
HomeClick	®	network software
Home Essentials	®	software
Hotmail	®	web-based e-mail service
HotStart	TM	technology
Imagine Cup logo	TM	
InfoPath	®	information-gathering program
IntelliEye	®	optical technology
IntelliMirror	®	management technologies
IntelliMouse	®	pointing device
IntelliSense	®	technology
IntelliShrink	®	text compression system
IntelliSpeed	®	broadband technology platform
Internet Explorer	®	internet browser
Iskoola Pota	TM	font
J/Direct	®	application programming interface
Jawbreaker	®	game
JScript	®	development software
Kung Fu Chaos	®	video game
Laser Technology logo	TM	
LineDrive	TM	mapping feature

LinkExchange	TM	online business services
Liquid Motion	®	web multimedia and animation
Lost Odyssey	®	video game
Mapbase	®	desktop mapping program
MapManager	TM	desktop mapping
MapPoint	®	business mapping software
MapVision	TM	desktop mapping program
Marine Mania	®	game
Master Chief	TM	action figure
Maximum Chase	TM	game
MechAssault	®	video game
MechCommander	®	game
MechWarrior	®	game
Messenger Service logo	®	
Microsoft	®	software
Microsoft Agent logo	TM	
Microsoft Dynamics	TM	software
Microsoft Dynamics logo	TM	
Microsoft eMbedded Visual Tools logo	®	
Microsoft Game Studios logo	®	
Microsoft Internet Explorer logo (graphic only)	®	
Microsoft .NET Connected logo	TM	
Microsoft Power Sense	TM	technology
Microsoft Press	®	books
Microsoft TaxSaver	®	tax preparation software
Microsoft TV logo	TM	
Midtown Madness	®	game
Monster Truck Madness	®	racine simulation
Motocross Madness	®	game
Mozaki	TM	game
MS-DOS	®	operating system
MSDN	®	developer program
MSN	®	network of Internet services

MSN logo (butterfly)	®	
Music Central	®	interactive music reference and entertainment guide
Natural	®	keyboard
Natural Language logo	®	
.NET logo	TM	
NetMeeting	®	conferencing software
Nina	®	font
Ninety-Nine Nights	TM	video game
Office logo (puzzle design)	®	
Office logo	TM	
OneCare	TM	computer protection and maintenance software and services
OneNote	®	note-taking program
OpenType	®	font technology
Optical Technology logo	®	
OptiMatch	®	game matchmaking system
Outlook	®	messaging and collaboration client
OutSmart	®	online game
Passport logo	®	
PGR	®	video game
Phantom Dust	TM	game
PhotoDraw	®	business graphics software
Photosynth	TM	technology
Picture It!	®	consumer photo-editing software
PivotChart	®	dynamic views
PivotTable	®	dynamic views
PlaysForSure logo	TM	interoperability and compatibility logo
PowerPoint	®	presentation graphics program
Precision Racing	®	game
Project Gotham Racing	®	video game
Quantum Redshift	®	video game
QuickShelf	®	information retrieval tool
Reader logo	®	
ReadyBoost	TM	technology

ReadyDrive	TM	technology
Realimation	®	animation technology
Realty desktop	TM	transaction management platform
Reclusa	TM	gaming keyboard
Revenge of Arcade	®	game
Revenue Avenue	®	affiliate program directory
Rise of Legends	TM	game
Rise of Nations	®	game
Rise of Perathia	®	video game
RoundTable	TM	communications and archival system
Rushmore	TM	query technology
Security Shield logo	TM	
Segoe	®	font
SharePoint	®	team services portal server services
ShapeSheet	®	shape extensibility
SideShow	TM	technology
SideWinder	®	joystick, game pad
SmartConnectors	®	diagram technology
Smarter Hospitality	TM	technology architecture
Smarter Retailing	TM	retail technology architecture
SmartScreen	®	technology
SmartShapes	®	symbols
Sneakers	®	video game
Software Jukebox logo	®	
Spaces for our World	TM	social causes program
Starlancer	®	game
Starts Here	®	multimedia training series
Sudeki	TM	video game
SuperFetch	TM	memory management technology
Tahoma	®	font
Tao Feng	®	video game
The Age of Kings	®	game



The Code Room	®	entertainment services
The Hive and Design	TM	
The Time Sweeper	®	video game
TipWizard	®	assistant
Trekker	®	pointing device
TrueImage	®	page description language
TrueSkill	TM	matchmaking
TrueSkill	TM	ranking
Turn 10	TM	games
TutorAssist	®	learning technology
UltimateTV	®	service
UltimateTV logo	TM	
Verdana	®	font
Virtual Earth	TM	mapping software
Visio	®	drawing and diagramming software
Visual Basic	®	development system
Visual Basic logo (graphic only)	®	
Visual C++	®	development system
Visual C#	®	development tool
Visual FoxPro	®	database development system
Visual InterDev	®	web development system
Visual J++	®	development system, development system for the Java language
Visual J#	®	development tool
Visual SourceSafe	®	version control system, version control software
Visual Studio	®	development system
Visual Studio logo (graphic only)	®	
Visual Web developer	TM	web site development tool
Viva Piñata	TM	video game
Voodoo Vince	®	video game
WebBot	®	components
WebCourier	®	HTML newsletter distribution service
Webdings	®	font
WebTV	®	service

WebTV logo	TM	
WebTV network	TM	service
Whacked!	®	video game
Win32	®	application programming interface
Win32s	®	application programming interface
WinFX	®	application programming interface
Windows	®	operating system
Windows Cardspace	TM	identity selector
Windows Live	TM	network of internet services
Windows logo (aka the flag logo, graphic only)	®	
Windows logo (the 2002 edition)	®	
Windows Media	®	technologies, player
Windows Mobile	®	software
Windows NT	®	operating system
Windows One Care Live	TM	computer protection and maintenance software and services
Windows Server	®	operating system
Windows Server System	TM	integrated server software
Windows Start logo (design)	®	
Windows Vista	TM	operating system
Windows Vista Start button (B/W)	TM	
Windows Vista Start button (Color)	TM	
WinFX	®	application programming interface
Wingdings	®	font
WMV/HD logo	TM	
XBN	®	magazine
Xbox	®	video game system
Xbox 360	TM	video game and entertainment system
Xbox Authentic Product logo	TM	
Xbox Live	®	online game service
Xbox Live logo	®	
Xbox "Ring of Light" logo	TM	
Xbox "Sphere" logo	TM	

Xbox (stylized) logo	®	
Xbox "X" logo	®	
XL design (Microsoft Excel logo)	®	
XNA	TM	development platform
XSN Sports logo	TM	
Your Potential. Our Passion.	TM	
ZoneFriends	®	buddy matchmaking system
ZoneLAN	®	game matchmaking system
Zone Message	®	player communication system
Zoo Tycoon	®	game

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## Xbox Video Games–Japan

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Trademark	English equivalent	Status	Descriptor
ねずみくす	Nezmix in Hiragana	TM	video game
Maximum Chase マキシマム チェイス	Maximum Chase and in Katakana	TM	video game
Ninety-Nine Nights ナインティナイン・ナイツ	Ninety-Nine Nights and in Katakana	TM	video game
Tenku 天空	Tenku and in Kanji	TM	video game
Project Gotham プロジェクト ゴッサム	Project Gotham and in Katakana	TM	video game
Jockey's road	Jockey's road	TM	video game
ジョッキーズロード	Jockey's road in Katakana	TM	video game
The Wild Rings ザ・ワイルド・リングス	The Wild Rings and in Katakana	TM	video game
頭脳対戦ライブ	Zunou Taisen Live in Kanji/Katakana	TM	video game
True Fantasy Live Online トゥルーファンタジーライブ オンライン	True Fantasy Live online and in Katakana	TM	video game

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Trademark	Status	Descriptor
Axapta	®	software
C/Side	®	software
IntelliMorph	®	software
MorphX	®	software
Navision	®	software
X++	®	software
XAL	TM	software

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Trademark	Status	Descriptor
Drilldown Viewer	TM	software
FRx	®	software
FRx logo	®	
Instant OLAP	®	software

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# ***STIC Search Report*** **EIC 2100**

**STIC Database Tracking Number: 211789**

**TO: LaJuania Mouzan**  
**Location: ACAD**  
**Art Unit: 2109**  
**Wednesday, January 03, 2007**

**Case Serial Number: 10/670138**

**From: Ruth E. Spink**  
**Location: EIC 2100**  
**RND-4B31**  
**Phone: 23524**

**Ruth.spink@uspto.gov**

## **Search Notes**

LaJuania- Attached is the foreign patent and NPL search for the above referenced case. I flagged the references that I think are the best. Be sure to contact me if you wish to refocus this search.

Ruth

Set	Items	Description
S1	928271	S MESSAG? OR MESSENGER? ? OR IM OR EMAIL OR MAIL? ? OR CHAT OR COMMUNICATION? ?
S2	16443	S PROBABILITY OR PROBABILITIES
S3	6122	S (RANDOM OR PSEUDORANDOM) () (NUMBER? ? OR INTEGER? ? OR VALUE? ?)
S4	216	S S2 (5N) S1
S5	292	S S3 (10N) S1
S6	3	S S4 AND S5
S7	3	IDPAT (sorted in duplicate/non-duplicate order)
S8	3	IDPAT (primary/non-duplicate records only)

? show files

[File 347] **JAPIO** Dec 1976-2006/Aug(Updated 061130)

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8/5/1 Links

JAPIO

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06610895 \*\*Image available\*\*

**COMMUNICATION CONTROL SYSTEM, COMMUNICATION TERMINAL AND RECORDING MEDIUM**

**Pub. No.:** 2000-196701 [JP 2000196701 A ]

**Published:** July 14, 2000 (20000714)

**Inventor:** IWAMOTO KOJI

YOSHIDA SHIGEO

SAKAGAMI KENICHI

**Applicant:** MATSUSHITA ELECTRIC IND CO LTD

**Application No.:** 10-371410 [JP 98371410]

**Filed:** December 25, 1998 (19981225)

**International Class:** H04L-029/08; H04B-014/00

**ABSTRACT**

**PROBLEM TO BE SOLVED:** To provide a communication control system which can transmit data with a uniform **probability** in spite of a **communication** terminal.

**SOLUTION:** A communication control system 1 is connected to a communication medium 2 and it contains plural communication terminals 1a, 1b and 1c communicating data through the medium 2. The terminal 1a has a means 12 transmitting data to the other terminals 1b and 1c through the medium 2, a pseudo random data generation means 100 generating pseudo random data having an artificial **random value** and a **communication** control means 10 controlling the means 12 so as to stand by for data transmission only for a time displayed by pseudo random data.

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20d [0014]  
20b lines 1-3

20a [0014]  
lines 1

8/5/2 Links

JAPIO

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05941754 \*\*Image available\*\*

20c) output #14 lines - 7

# RADIO COMMUNICATION CHANNEL ASSIGNING METHOD AND ITS EQUIPMENT

Pub. No.: 10-224854 [JP 10224854 A]

Published: August 21, 1998 (19980821)

Inventor: SHIODA HIROSHI

ONO TOMOYOSHI

TAKANASHI HITOSHI

TANAKA TOSHINORI

Pat NO  
JP 410224854A

Applicant: NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese Company or Corporation), JP (Japan)

Application No.: 09-022876 [JP 9722876]

Filed: February 05, 1997 (19970205)

International Class: [ 6 ] H04Q-007/36; H04Q-007/38

JAPIO Class: 44.2 (COMMUNICATION -- Transmission Systems)

## ABSTRACT

**PROBLEM TO BE SOLVED:** To reduce the retrieving times of a radio communication channel and to house high traffic in addition by setting the assigning probability of each radio channel or each radio communication channel group so as to retrieve a communication channel.

**SOLUTION:** When radio communication channel assigning is requester from mobile stations 31 to 34, base stations 11 to 13 decides a retrieving candidate radio communication channel from the previously decided [assigning probability of each radio communication channel and a random number generated separately from this assigning probability] [Next, the former operation is repeated n-times and at the pint of the time of deciding n-number of retrieving candidate radio communication channel,] these are sorted according to a priority order. Next the channel retrieval of the radio communication channel is executed in order of lowering priority orders and a radio communication channel satisfying a necessary communication quality first is assigned as a communication channel. Next, these are repeated concerning a radio communication channel satisfying the necessary quality in spite of retrieving all of n-number of retrieving candidate radio communication channel.

Claim #2

I think this is assigning a probability 2 the message

need 2 cite

Claim 1 c & b

assign pop - repeats the request n-times based off of a pre-determined value  
- generates random #  
- receives message  
- outputs

[0012]

[0016]  
line 1-2



8/5/3 Links

JAPIO

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05431574 \*\*Image available\*\*

**BIDIRECTIONAL COMMUNICATION SYSTEM AND ITS CENTRAL INFORMATION  
COMMUNICATION CONTROLLER AND TERMINAL COMMUNICATION CONTROLLER**

**Pub. No.:** 09-046374 [JP 9046374 A ]

**Published:** February 14, 1997 (19970214)

**Inventor:** KAMURA KOICHIRO

KOBAYASHI HIROSHI

**Applicant:** TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)

**Application No.:** 07-184372 [JP 95184372]

**Filed:** July 20, 1995 (19950720)

**International Class:** [ 6 ] H04L-012/56; H04L-029/02; H04N-007/173

**JAPIO Class:** 44.3 (COMMUNICATION -- Telegraphy); 44.6 (COMMUNICATION -- Television)

**ABSTRACT**

**PROBLEM TO BE SOLVED:** To suppress reduction of system performance and to maintain high stability even when a communication controller continuously transmitting a signal exists or a high traffic load is inputted to a system.

**SOLUTION:** A central information communication controller 1 detects a packet reception success rate on an up trasmission line, and when the success rate is smaller than a threshold .alpha., generates transmission rule level information for reducing the transmission **probability** of a **communication** controller and notifies the generated information to respective communication controllers 2a to 2c through a down transmission line. Each of the controllers 2a to 2c generates a random number based upon the notified transmission rule level information and judges whether transmission is to be started or not by referring to the **random number**. At the time of judging the postponement of transmission, each **communication** controller waits until the reception of 'transmission permission' from the controller 1, and at the time of receiving the 'transmission permission', starts the transmission of user data.

Set	Items	Description
S1	1978284	S MESSAG? OR MESSENGER? ? OR IM OR EMAIL OR MAIL? ? OR CHAT
S2	109788	S PROBABILITY OR PROBABILITIES
S3	25776	S (RANDOM OR PSEUDORANDOM) () (NUMBER? ? OR INTEGER? ? OR VALUE? ?)
S4	1179	S S2 (5N) S1
S5	1493	S S3 (10N) S1
S6	227	S S3 (10N) (COMPARE? ? OR COMPARING OR COMPARISON? ? OR COMPARATOR? ? OR CONTRAST??? OR MATCH?? OR MATCHING ) (10N) S2
S7	2	S S4 (30N) S5 (30N) S6

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[File 348] **EUROPEAN PATENTS** 1978-2006/ 200652

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*\*File 348: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

[File 349] **PCT FULLTEXT** 1979-2006/UB=20061228UT=20061221

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*\*File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

[File 350] **Derwent WPIX** 1963-2006/UD=200701

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*\*File 350: DWPI has been enhanced to extend content and functionality of the database. For more info, visit <http://www.dialog.com/dwpi/>.*

7/5K/1 (Item 1 from file: 349) [Links](#)

PCT FULLTEXT

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01298353

**USER ORIENTED PENALTY COUNT RANDOM REJECTION**

REFUS ALEATOIRE A DECOMPTE DE PENALITES CONCU POUR L'UTILISATEUR

**Patent Applicant/Patent Assignee:**

- **NOKIA INC**; 6000 Connection Drive, Irving, TX 75039  
US; US (Residence); US (Nationality)  
(For all designated states except: US)
- **WANG Bing**; 6185 Camino Verde Drive, Apt. R-11, San Jose, CA 95119  
CN; US (Residence); CN (Nationality)  
(Designated only for: US)

**Patent Applicant/Inventor:**

- **WANG Bing**  
6185 Camino Verde Drive, Apt. R-11, San Jose, CA 95119; CN; US (Residence); CN (Nationality); (Designated only for: US)

**Legal Representative:**

- **BRANCH John W(agent)**  
Darby & Darby P.C., P.O. Box 5257, New York, NY 10150-5257; US;

	Country	Number	Kind	Date
Patent	WO	2005104653	A2-A3	20051110
Application	WO	2005IB1207		20050503
Priorities	US	2004838581		20040504

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;  
BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;  
CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;  
GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;  
IS; JP; KE; KG; KM; KP; KR; KZ; LC; LK;  
LR; LS; LT; LU; LV; MA; MD; MG; MK; MN;  
MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH;  
PL; PT; RO; RU; SC; SD; SE; SG; SK; SL;  
SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG;  
US; UZ; VC; VN; YU; ZA; ZM; ZW;

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IS; IT; LT; LU;

MC; NL; PL; PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL;  
SZ; TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Main International Patent Classes (Version 7):**

IPC	Level
G06F-015/16	Main

Publication Language: English

Filing Language: English

Fulltext word count: 6624

**English Abstract:**

A method and system for managing electronic mail (email) based on a user oriented penalty count (PC) random rejection. The invention determines a threshold for a specific user (103-105) and assesses a cumulative PC for usage of a resource that exceeds the user specific threshold. Different operating states are determined based on a status associated with the resource. In a normal operating state, virtually all sent email is processed. In a selective-rejection state, sent email from a user (103-105) with a cumulative PC is rejected randomly, while others are processed. In a random-rejection state, sent email from a user (103-105) without a cumulative PC is randomly rejected based on a resource usage factor and an adjustment multiplier, while sent email from a user (103--105) with a cumulative PC is completely rejected. The user (103-105) may be assigned an exempt status that enables processing of virtually all email from the user (103-105) independent of user's PC.

**French Abstract:**

La presente invention a trait a un procede et un systeme pour la gestion de courrier electronique (courriel) basee sur le refus aleatoire a decempte de penalites concu pour l'utilisateur. L'invention determine un seuil pour un utilisateur particulier et evalue un decempte de penalites cumulatif pour l'utilisation d'une ressource depassant le seuil specifique a l'utilisateur. Differents etats de fonctionnement sont determines en fonction d'un statut associe a la ressource. Dans un etat de fonctionnement normal, pratiquement l'ensemble du courrier electronique est traite. Dans un etat de refus selectif, le courrier electronique en provenance d'un utilisateur avec un decempte de penalites cumulatif est refuse de maniere aleatoire, alors que d'autres sont traitees. Dans un etat de refus aleatoire, le courrier electronique transmis a partir d'un utilisateur sans decempte de penalites cumulatif est refuse de maniere aleatoire sur la base d'un facteur d'utilisation de ressource et un multiplicateur d'ajustement, alors que le courrier electronique transmis a partir d'un utilisateur avec un decempte de penalites cumulatif est totalement refuse. L'utilisateur peut etre attribue un statut d'exemption permettant le traitement de pratiquement l'ensemble du courrier en provenance d'un utilisateur independant du decempte de penalites d'utilisateur.

Type	Pub. Date	Kind	Text
Publication	20051110	A2	Without international search report and to be republished upon receipt of that report.
Search Rpt	20060511		Late publication of international search report

Republication	20060511	A3	With international search report.
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#### Detailed Description:

...random number and  
therejectionfactor. Inoneembodiment,theemailfromtheusermayberejected,ifthe rejection factor is greater than about  
the random number. In another embodiment, the  
emailfromtheusermayberejected,iftherejecfionfactorislessth-anabouththera ndom number. The **comparison** between  
the **random number** and the rejection factor provides for rejection of the **email** based on the **probability**  
approximately proportional to the cumulative penalty count of the user. In a flirther embodiment, the user may be  
14  
assigned an exempt status, where virtually...

7/5,K/2 (Item 1 from file: 350) [Links](#)

Derwent WPIX

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0014817418

WPI Acc no: 2005-165107/

XRPX Acc No: N2005-138170

**System flow controlling method**

Patent Assignee: HUAWEI TECH CO LTD (HUA W-N)

Inventor: LI X

mpep  
kindcode  
chr

Patent Family ( 1 patents, 1 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
CN 1549508	A	20041124	CN 2003125110	A	20030509 -	200518	B

Priority Applications (no., kind, date): CN 2003125110 A 20030509

5/9/03

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
CN 1549508	A	ZH		0	

CN A

NOVELTY - The method includes the follows: calculating out discretization probability table; adjusting maximum discarding **probability** value as per **message** type, processing message arrived to the equipment at times; calculating message arrival speed rate in between time t' and time t, average queue length of idle queue at time t, integrated average idle queue length; calculating out index value of table item for discarding **probability** to obtain **message** transmission **probability** P(t) in the period; **comparing probability** p(t) with **random number** P generated currently to decide whether the **message** is discarded or is retransmitted.

claim #  
25  
1  
a

**Title Terms** /Index Terms/Additional Words: SYSTEM; FLOW; CONTROL ; METHOD

**Class Codes**


International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
H04L-012/24			Main		"Version 7"
H04L-012/08; H04L-012/56; H04L-029/02			Secondary		"Version 7"

File Segment: EPI;

DWPI Class: W01

Manual Codes (EPI/S-X): W01-A03B; W01-A06; W01-A06A; W01-A06G2; W01-A07F

...NOVELTY - The method includes the follows: calculating out discretization probability table; adjusting maximum discarding **probability** value as per **message** type, processing message arrived to the equipment at  $t$  times; calculating message arrival speed rate in between time  $t'$  and time  $t$ , average queue length of idle queue at time  $t$ , integrated average idle queue length; calculating out index value of table item for discarding **probability** to obtain **message** transmission **probability**  $P(t)$  in the period; **comparing probability**  $p(t)$  with **random number**  $P$  generated currently to decide whether the **message** is discarded or is retransmitted. 

Set	Items	Description
S1	1132269	S COMMUNICATION? ?
S2	109788	S PROBABILITY OR PROBABILITIES
S3	25776	S (RANDOM OR PSEUDORANDOM) ( ) (NUMBER? ? OR INTEGER? ? OR VALUE? ?)
S4	1173	S S2 (5N) S1
S5	1288	S S3 (10N) S1
S6	7	S S4 (30N) S5
S7	7	IDPAT (sorted in duplicate/non-duplicate order)
S8	7	IDPAT (primary/non-duplicate records only)

? show files

[File 348] **EUROPEAN PATENTS** 1978-2006/ 200652

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*\*File 348: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

[File 349] **PCT FULLTEXT** 1979-2006/UB=20061228UT=20061221

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*\*File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

[File 350] **Derwent WPIX** 1963-2006/UD=200701

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*\*File 350: DWPI has been enhanced to extend content and functionality of the database. For more info, visit <http://www.dialog.com/dwpi/>.*



8/5,K/1 (Item 1 from file: 350) Links

Derwent WPIX

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0008872379 *Drawing available*

WPI Acc no: 1998-420338/199836

Related WPI Acc No: 2005-548095

XRPX Acc No: N1998-328068

**Communication system for public telecommunication network e.g. LAN - generates random number when communication collision probability and range are very high, corresponding to which communication timing and standby timing are set up**

Patent Assignee: FUJITSU LTD (FUIT)

Inventor: ASANO M; YANO T

Patent Family ( 2 patents, 1 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 10173663	A	19980626	JP 1996327124	A	19961206	199836	B
JP 3762004	B2	20060329	JP 1996327124	A	19961206	200622	E

Priority Applications (no., kind, date): JP 1996327124 A 19961206

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
JP 10173663	A	JA	10	9		
JP 3762004	B2	JA	14		Previously issued patent	JP 10173663

**Alerting Abstract JP A**

The system access several nodes (121-12n) through a pair of communication channels (11,14). A node (13) is connected with the other nodes through the second communication channel. An acquisition unit (15) acquires information regarding the number of transmitting nodes via first communication channel. A notification unit (16) transmits the information pertaining to the number of nodes through the second communication channel.

The probability of transmission collision is notified through the communication channels to the nodes. A random number for distribution is generated, if the probability and the range are very large. The timings for the preceding and resending from the system and standby number of communication are set up proportional to the random number.

ADVANTAGE - Improves communication quality. Improves transmission efficiency.

**Title Terms /Index Terms/Additional Words:** COMMUNICATE; SYSTEM; PUBLIC; TELECOMMUNICATION; NETWORK; LAN; GENERATE; RANDOM; NUMBER; COLLIDE; PROBABILITY; RANGE; HIGH; CORRESPOND; TIME; STANDBY; SET; UP

**Class Codes**

International Patent Classification

IPC	Class Level	Scope	Position	Status	Version Date
-----	-------------	-------	----------	--------	--------------

H04L-012/28			Main		"Version 7"
H04L-012/40			Secondary		"Version 7"
H04L-0012/28	A	I	F	B	20060101

File Segment: EPI;

DWPI Class: W01

Manual Codes (EPI/S-X): W01-A03A1; W01-A06B1; W01-A06B5A; W01-A06B7; W01-A06F

...

**generates random number when communication collision probability and range are very high, corresponding to which communication timing and standby timing are set up**

8/5K/5 (Item 5 from file: 348) Links

EUROPEAN PATENTS

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01262928

**MOBILE COMMUNICATION SYSTEM, BASE STATION, MOBILE COMMUNICATION TERMINAL,  
AND RESENDING CONTROL METHOD**

SYSTEM, BASIS STATION UND TEILNEHMERENDGERAT FUR MOBILE NACHRICHTEN

UBERTRAGUNG UND KONTROLLVERFAHREN ZUR SENDE WIEDERHOLUNG

SYSTEME DE COMMUNICATIONS MOBILES, STATION DE BASE, TERMINAL DE COMMUNICATIONS

MOBILES, ET PROCEDE DE COMMANDE DE RENVOI

**Patent Assignee:**

- **MITSUBISHI DENKI KABUSHIKI KAISHA; (208589)**  
2-3, Marunouchi 2-chome, Chiyoda-ku; Tokyo 100-8310; (JP)  
(Applicant designated States: all)

**Inventor:**

- **YAMADA, Takamitsu, Mitsubishi Denki Kab. Kaisha**  
2-3, Marunouchi 2-chome, Chiyoda-ku; Tokyo 100-8310; (JP)
- **KIKUCHI, Nobuo, Mitsubishi Denki Kabushiki Kaisha**  
2-3, Marunouchi 2-chome, Chiyoda-ku; Tokyo 100-8310; (JP)
- **SHIBUYA, Akihiro, Mitsubishi Denki Kab. Kaisha**  
2-3, Marunouchi 2-chome, Chiyoda-ku; Tokyo 100-8310; (JP)
- **AOYAGI, Hidenori, Mitsubishi Denki Kab. Kaisha**  
2-3, Marunouchi 2-chome, Chiyoda-ku; Tokyo 100-8310; (JP)

**Legal Representative:**

- **Pfenning, Meinig & Partner (100961)**  
Mozartstrasse 17; 80336 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	1130834	A1	20010905	(Basic)
	WO	200110068		20010208	
Application	EP	2000948247		20000727	
	WO	2000JP5017		20000727	
Priorities	JP	99218509		19990802	

**Designated States:**

DE; FR; GB;

**Extended Designated States:**

AL; LT; LV; MK; RO; SI;

**International Patent Class (V7): H04J-013/04; H04L-001/16Abstract EP 1130834 A1**

Includes a base station (2) that measures an uplink interference value of a transmission path when a data error has occurred in reception packets multiplexed by plurality, generates a retransmission request signal of a packet format based on the measured uplink interference value, and then transmits the retransmission request signal to a mobile communication terminal that has transmitted the erroneous packet; and a mobile communication terminal (1) that outputs multiplexed transmission data as a transmission packet during a normal transmission, automatically divides the transmission data into parallel signals according to a retransmission multiplex number based on the retransmission request signal when the retransmission request signal has been received, further multiplexes the parallel signals to generate a transmission packet for retransmission, and outputs the transmission packet to the base station.

**Abstract Word Count: 130**

**NOTE: 0002**

**NOTE: Figure number on first page: 0002**

Type	Pub. Date	Kind	Text
Application:	20010404	A1	International application. (Art. 158(1))
Application:	20010404	A1	International application entering European phase
Application:	20010905	A1	Published application with search report
Examination:	20010905	A1	Date of request for examination: 20010323
Change:	20040519	A1	Designated contracting states changed 20040401
Withdrawal:	20050817	A1	Date application deemed withdrawn: 20050201

Publication: English

Procedural: English

Application: Japanese

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200136	2909
SPEC A	(English)	200136	16653
Total Word Count (Document A) 19562			
Total Word Count (Document B) 0			
Total Word Count (All Documents) 19562			

**Specification:** ...number is 0, and determines a retransmission multiplex number to be in the same number as the multiplex number during a normal transmission when the **random number** is 1.

According to the above aspect, the mobile **communication** terminal obtains a **probability** for determining a retransmission multiplex number based on the uplink interference value measured by the base station, and determines the retransmission multiplex number based on...number is 0, and determines a retransmission multiplex number to be in the same number as the multiplex number during a normal transmission when the **random number** is 1.

According to the above aspect, the mobile **communication** terminal obtains a **probability** for determining a retransmission multiplex number based on the uplink interference value measured by the base station, and

determines the retransmission multiplex number based on...

8/5K/7 (Item 7 from file: 348) Links

EUROPEAN PATENTS

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00271665

**Private cellular system**

Privates Zellularsystem

Système cellulaire prive

**Patent Assignee:**

- **NORTHERN TELECOM LIMITED; (217325)**  
World Trade Center of Montreal, 380 St. Antoine Street West 8th Floor; Montreal, Quebec H2Y 3Y4; (CA)  
(applicant designated states: DE;FR;GB;NL;SE)

**Inventor:**

- **Koohgoli, Mahshad**  
No. 1409, 900 Dynes Road; Ottawa Ontario K2C 3L6; (CA)
- **Fatica, Bambino**  
809 Walkley Road; Ottawa Ontario K1V 6R6; (GB)

**Legal Representative:**

- **Berkson, Michael David et al (28281)**  
Nortel Patents, London Road; Harlow, Essex CM17 9NA; (GB)

	Country	Number	Kind	Date	
Patent	EP	268375	A2	19880525	(Basic)
	EP	268375	A3	19891025	
	EP	268375	B1	19920916	
Application	EP	87309145		19871015	
Priorities	CA	523221		19861118	

**Designated States:**

DE; FR; GB; NL; SE;

**International Patent Class (V7): H04Q-007/26CITED PATENTS: (EP A)**

EP 169726 A; EP 169726 A; EP 188322 A; EP 188322 A; WO 8302380 A; US 3906166 A; GB 2138652 A; WO 8304462 A; Abstract EP 268375 A2

A cellular mobile radio communication (e.g.telephone) system (10) hereinafter referred to as a private cellular system, PCS) that does not have the constraint of being a well defined, pre-planned system. The present invention differs from previous systems largely by the fact that it does not have to be well planned in advance. A user can simply install a base station (13) virtually wherever he desires. Each base station is "intelligent" and produces a dynamic allocation. This of course means that if one were to install such a system, for example in an office building, no studies would be required. One would simply install a series of base stations.

**Abstract Word Count: 112**

Type	Pub. Date	Kind	Text
Application:	19880525	A2	Published application (A1with;A2without)
Search Report:	19891025	A3	Separate publication of the European or International search report
Examination:	19900117	A2	Date of filing of request for examination: 891122
Examination:	19910925	A2	Date of despatch of first examination report: 910812
Change:	19911002	A2	Representative (change)
*Assignee:	19920506	A2	Applicant (transfer of rights) (change): NORTHERN TELECOM LIMITED
Grant:	19920916	B1	Granted patent
Lapse:	19930414	B1	Date of lapse of the European patent in a Contracting State: NL 920916
Oppn:	19930811	B1	Opposition 01/930616 Alcatel N.V.; Strawinskykaan 341; NL-1077 XX AMSTERDAM; (NL)(Representative:)Graf, Georg Hugo, Dipl.-Ing.; Alcatel SEL AG Patent- und Lizenzwesen Postfach 30 09 29; W-7000 Stuttgart 30; (DE)
Oppn:	19930825	B1	Opposition 01/930616 Alcatel N.V.; Strawinskykaan 341; NL-1077 XX AMSTERDAM; (NL)(Representative:)Graf, Georg Hugo, Dipl.-Ing.; Alcatel SEL AG Patent- und Lizenzwesen Postfach 30 09 29; D-70449 Stuttgart; (DE)02/930616 Siemens Aktiengesellschaft, Berlin und Munchen; Postfach 22 16 34; D-80506 Munchen; (DE)
Change:	19931229	B1	Representative (change)
Change:	19970709	B1	Representative (change)
Amended:	19970730	B2	Maintenance of the European patent as amended

Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9707W5	2016
CLAIMS B	(German)	9707W5	1915
CLAIMS B	(French)	9707W5	2191
SPEC B	(English)	9707W5	7408
Total Word Count (Document A) 0			
Total Word Count (Document B) 13530			
Total Word Count (All Documents) 13530			

**Specification:** ...extend the services offered by those telephone switches to portable telephones. The major characteristics of PCS are:

1. It is preferably fully digital.

2. It **provides POTS** (plain old telephone service).

3. It preferably provides data **communication** services.

4. It extends the features offered by the local PBX. These features may include call forwarding, conferencing, call transfer, call waiting, ring again, etc...



Set	Items	Description
S1	3577679	S MESSAG? OR MESSENGER? ? OR IM OR EMAIL OR MAIL? ? OR CHAT OR COMMUNICATION? ?
S2	917965	S PROBABILITY OR PROBABILITIES
S3	21972	S (RANDOM OR PSEUDORANDOM) ( ) (NUMBER? ? OR INTEGER? ? OR VALUE? ?)
S4	13273	S S2 (5N) S1
S5	434	S S3 (10N) S1
S6	81	S S3 (10N) (COMPARE? ? OR COMPARING OR COMPARISON? ? OR COMPARATOR? ? OR CONTRAST??? OR MATCH?? OR MATCHING) (10N) S2
S7	0	S S4 AND S5 AND S6
S8	86	S S3 (10N) (SAME OR IDENTICAL OR EQUAL OR EQUIVALENT OR EQUIVALENCY OR EQUIV OR EQUIVS OR SIMILAR? OR ALIKE OR LIKE OR PARALLEL ) (10N) S2
S9	0	S S4 AND S5 AND S8

; show files

[File 8] **Ei Compendex(R)** 1970-2007/Dec W4

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*\*File 8: The file has been reprocessed and accession numbers have changed. See HELP NEWS988 for details.*

[File 35] **Dissertation Abs Online** 1861-2006/Nov

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[File 65] **Inside Conferences** 1993-2006/Dec 15

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[File 2] **INSPEC** 1898-2006/Dec W2

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[File 94] **JICST-EPlus** 1985-2006/Sep W2

(c)2006 Japan Science and Tech Corp(JST). All rights reserved.

[File 111] **TGG Natl.Newspaper Index(SM)** 1979-2007/Dec 13

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[File 6] **NTIS** 1964-2006/Dec W3

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[File 144] **Pascal** 1973-2006/Dec W1

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[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec

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[File 34] **SciSearch(R) Cited Ref Sci** 1990-2007/Dec W5

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[File 62] **SPIN(R)** 1975-2007/Dec W3

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[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2006/Nov

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[File 95] **TEME-Technology & Management** 1989-2007/Dec W5

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[File 56] **Computer and Information Systems Abstracts** 1966-2006/Dec

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[File 57] **Electronics & Communications Abstracts** 1966-2006/Dec

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[File 60] **ANTE: Abstracts in New Tech & Engineer** 1966-2006/Dec

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[File 266] **FEDRIP** 2006/Dec

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[File 583] **Gale Group Globalbase(TM)** 1986-2002/Dec 13

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*\*File 583: This file is no longer updating as of 12-13-2002.*

[File 438] **Library Lit. & Info. Science** 1984-2006/Nov.

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[File 256] **TecInfoSource** 82-2006/Jul

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Set	Items	Description
S1	22885576	S MESSAG? OR MESSENGER? ? OR IM OR EMAIL OR MAIL? ? OR CHAT OR COMMUNICATION? ?
S2	588876	S PROBABILITY OR PROBABILITIES
S3	19094	S (RANDOM OR PSEUDORANDOM) () (NUMBER? ? OR INTEGER? ? OR VALUE? ?)
S4	2392	S S2 (5N) S1
S5	410	S S3 (10N) S1
S6	43	S S3 (10N) (COMPARE? ? OR COMPARING OR COMPARISON? ? OR COMPARATOR? ? OR CONTRAST??? OR MATCH?? OR MATCHING) (10N) S2
S7	133	S S3 (10N) (SAME OR IDENTICAL OR EQUAL OR EQUIVALENT OR EQUIVALENCY OR EQUIV OR EQUIVS OR SIMILAR? OR ALIKE OR LIKE OR PARALLEL ) (10N) S2
S8	0	S S4 (30N) S5 (30N) (S6 OR S7)
S9	0	S S4 (30N) S5

; show files

[File 88] **Gale Group Business A.R.T.S.** 1976-2007/Dec 26  
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[File 369] **New Scientist** 1994-2007/Oct W2  
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[File 160] **Gale Group PROMT(R)** 1972-1989  
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[File 635] **Business Dateline(R)** 1985-2007/Jan 03  
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[File 15] **ABI/Inform(R)** 1971-2007/Jan 03  
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[File 16] **Gale Group PROMT(R)** 1990-2007/Dec 29  
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[File 9] **Business & Industry(R)** Jul/1994-2007/Jan 01  
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[File 13] **BAMP** 2006/Dec W3  
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[File 810] **Business Wire** 1986-1999/Feb 28  
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[File 610] **Business Wire** 1999-2007/Jan 03  
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[File 647] **CMP Computer Fulltext** 1988-2007/Mar W1  
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[File 98] **General Sci Abs** 1984-2006/Dec  
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[File 148] **Gale Group Trade & Industry DB** 1976-2007/Dec 27

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[File 634] **San Jose Mercury** Jun 1985-2006/Dec 28

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[File 275] **Gale Group Computer DB(TM)** 1983-2007/Dec 29

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[File 47] **Gale Group Magazine DB(TM)** 1959-2007/Dec 27

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[File 75] **TGG Management Contents(R)** 86-2006/Dec W4

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[File 636] **Gale Group Newsletter DB(TM)** 1987-2007/Dec 29

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[File 624] **McGraw-Hill Publications** 1985-2007/Jan 03

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*\*File 624: Homeland Security & Defense and 9 Platt energy journals added Please see HELP NEWS624 for more*

[File 484] **Periodical Abs Plustext** 1986-2007/Dec W5

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[File 613] **PR Newswire** 1999-2007/Jan 03

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*\*File 613: File 613 now contains data from 5/99 forward. Archive data (1987-4/99) is available in File 813.*

[File 813] **PR Newswire** 1987-1999/Apr 30

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[File 141] **Readers Guide** 1983-2006/Oct

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[File 370] **Science** 1996-1999/Jul W3

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*\*File 370: This file is closed (no updates). Use File 47 for more current information.*

[File 696] **DIALOG Telecom. Newsletters** 1995-2007/Jan 02

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[File 553] **Wilson Bus. Abs.** 1982-2006/Dec

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[File 621] **Gale Group New Prod. Annou.(R)** 1985-2007/Dec 26

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[File 674] **Computer News Fulltext** 1989-2006/Sep W1

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[File 20] **Dialog Global Reporter** 1997-2007/Jan 03

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